

Iron Spectrum from 2797·777 to 3306·37A. Iron arc taking 4 amperes, run on 220 volts D.C.
Spectrogram taken on a Hilger E1 Quartz Spectrograph.

BURNS' VALUES	KAYSER'S VALUES
2797.777	2804.51
2813.288	2806.82
2817.506	2819.31
2828.808	2823.28 & .68
	2825.55
	2832.43
	2838.13
2848.714	2843.63
2851.798	2845.57
2858.898	
2866.629	2853.72
2874.176	2863.86
	2869.31
2887.808	2877.29
2899.418	2880.77
2912.161	2883.73
	2894.51
	2895.04
	2901.94
	2907.52
	2918.03
	2923.30 & .40
	2923.85
	2936.91
2941.343	2947.38
	2953.94
2959.996	2965.26
	2969.40 & .51
2976.130	2970.11
2987.293	2981.45
2990.394	
3011.484	2994.43
3024.035	3003.02
3030.150	3009.57
3040.430	3018.98
3045.082	3025.73 & .84
	3031.63
3068.180	3041.63
	3042.03 & .74
3083.745	3047.50
3091.581	3057.44
	3059.08
	3067.24
	3075.725
	3099.94
	3100.67
3116.632	3119.61
3125.663	3120.42
3129.334	3134.10
3142.888	
3155.293	3151.34
3161.370	3153.19
3171.353	3160.64
	3168.86
	3175.447
	3180.21 & .73
3184.903	3188.84
3191.666	3192.80
3202.562	3205.39
3217.389	3214.06
	3217.38
	3222.06
	3227.80 & .75
3233.061	3236.22
3246.015	3244.18
	3254.36
3265.057	3265.62
3268.246	3271.003
3280.268	3286.76
3292.029	
3298.137	3305.97
	3306.37

No. 3.

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The 149 wavelengths marked "Kayser's Values" are as given in his "Handbuch der Spectroscopie," Vol. 6. Those given to .001A are identical with those of Fabry and Buisson (Astroph. J. 28, 195, 1908; Journal de Phys. (4), 169-195, 1908). The values marked "Burns' Values" are as given in the Lick Observatory Bulletin, No. 247. All wavelengths are in I.A.

For full particulars of the international scale of wavelengths and complete list of standards to date, see "Wavelength Tables for Spectrum Analysis" by F. Twyman, published by Adam Hilger Ltd.